

THE PORT AUTHORITY
OF NY & NJ

ENGINEERING PROGRAM MANAGER
WORLD TRADE
CENTER
CHIEF ELECTRICAL ENGINEER

NOTES

- FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWGS. E-2, AND E-4 FOR WIRING DIAGRAMS, SEE DWGS. E-3 AND E-4.
- REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND REWIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL "B" ON DWG. E-2.
- ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
- SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
- DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECTION OF EXISTING CIRCUIT(S) AND CONNECTION OF INSTALLED DEVICE CIRCUIT(S) AT EXISTING DEVICE SHALL BE MADE AFTER INSTALLED DEVICE WIRING IS TESTED AND OPERATIONAL. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (FT.)
QUANTITY OF STROBES PER CIRCUIT	CURRENT IN AMPS (A)	0.063	0.100	0.165	0.209		
STR-C1	8	1	0	0	0	0.604	240
STR-C2	8	0	0	0	0	0.504	205
STR-C3	SPARE						
STR-C4	FUTURE						
STR-D1	0	2	0	1		0.409	209
STR-D2	SPARE						
STR-D3	SPARE						
STR-D4	FUTURE						
STR-E1	16	1	0	0		1.108	462
STR-E2	14	1	1	0		1.147	413
STR-E3	10	3	1	0		1.095	404
STR-E4	FUTURE						
STR-F1	13	3	0	0		1.119	450
STR-F2	9	2	3	0		1.262	469
STR-F3	12	1	1	1		1.230	468
STR-F4	FUTURE						
STR-G1	SPARE						
STR-G2	SPARE						
STR-G3	SPARE						
STR-G4	FUTURE						
STR-H1	SPARE						
STR-H2	SPARE						
STR-H3	SPARE						
STR-H4	FUTURE						
GRAND TOTAL							

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd, 4th, 5th & 6th FLOORS

3rd FLOOR
STROBE LAYOUT
INSTALLATION AND
REMOVAL
WEST PART PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

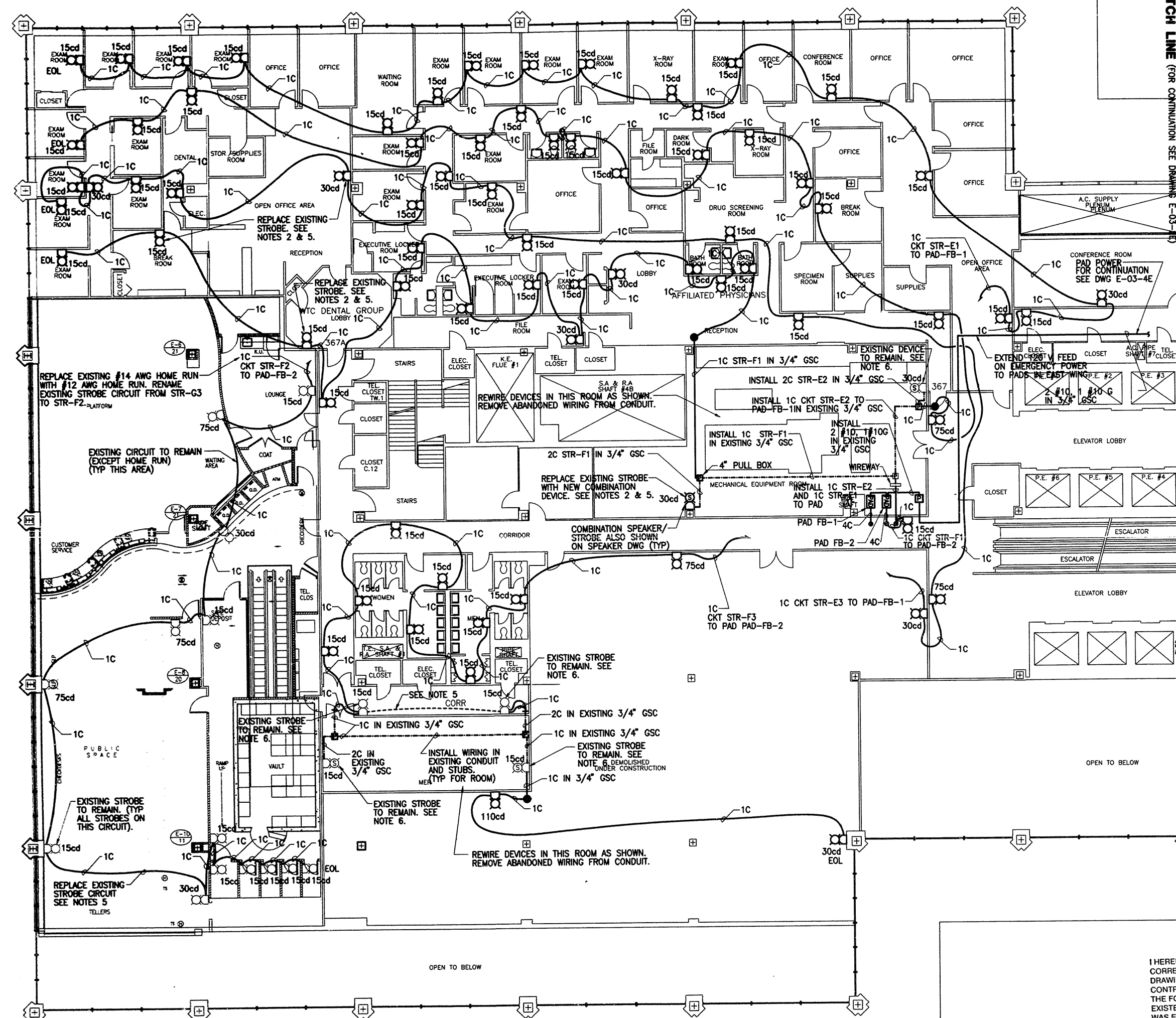
S. FELDSTEIN S. ANSINE A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999

Date

WTC-861.573 E-03-4W
Contract Number Drawing Number

REVISION No. 3



I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861.573 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.
DATE 11/18/99 CONTRACT ENGR/ARCH.
DATE 11/18/99 ENGINEERING PROGRAM MGR.

